



U.S. Department  
of Transportation

Pipeline and  
Hazardous Materials  
Safety Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY  
SPECIAL FORM RADIOACTIVE MATERIALS  
CERTIFICATE USA/0758/S-96, REVISION 0

East Building, PHH-23  
1200 New Jersey Avenue SE  
Washington, D.C. 20590

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency<sup>1</sup> and the United States of America<sup>2</sup> for the transport of radioactive material.

1. Source Identification - QSA Global, Inc. Model X9073.
2. Source Description - Cylindrical single encapsulation made of MP35N and tungsten inert gas or laser seal welded. Approximate outer dimensions are 12.8 mm (0.5 in.) in diameter and 28.0 mm (1.1 in.) in length. Construction shall be in accordance with attached QSA Global, Inc. Drawing No. RBA62948, Rev. A.
3. Radioactive Contents - No more than 370.0 GBq (10.0 Ci) of Americium-241. The Am-241 is in the form of an oxide mixed with a beryllium powder that is pressed into a solid pellet.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations<sup>1</sup> shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors in the United States exporting shipments under this certificate shall satisfy the applicable requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires on September 30, 2013.

---

<sup>1</sup> "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency(IAEA), Vienna, Austria.

<sup>2</sup> Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

**CERTIFICATE USA/0758/S-96, REVISION 0**

This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the August 05, 2008 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:



**Sep 04 2008**

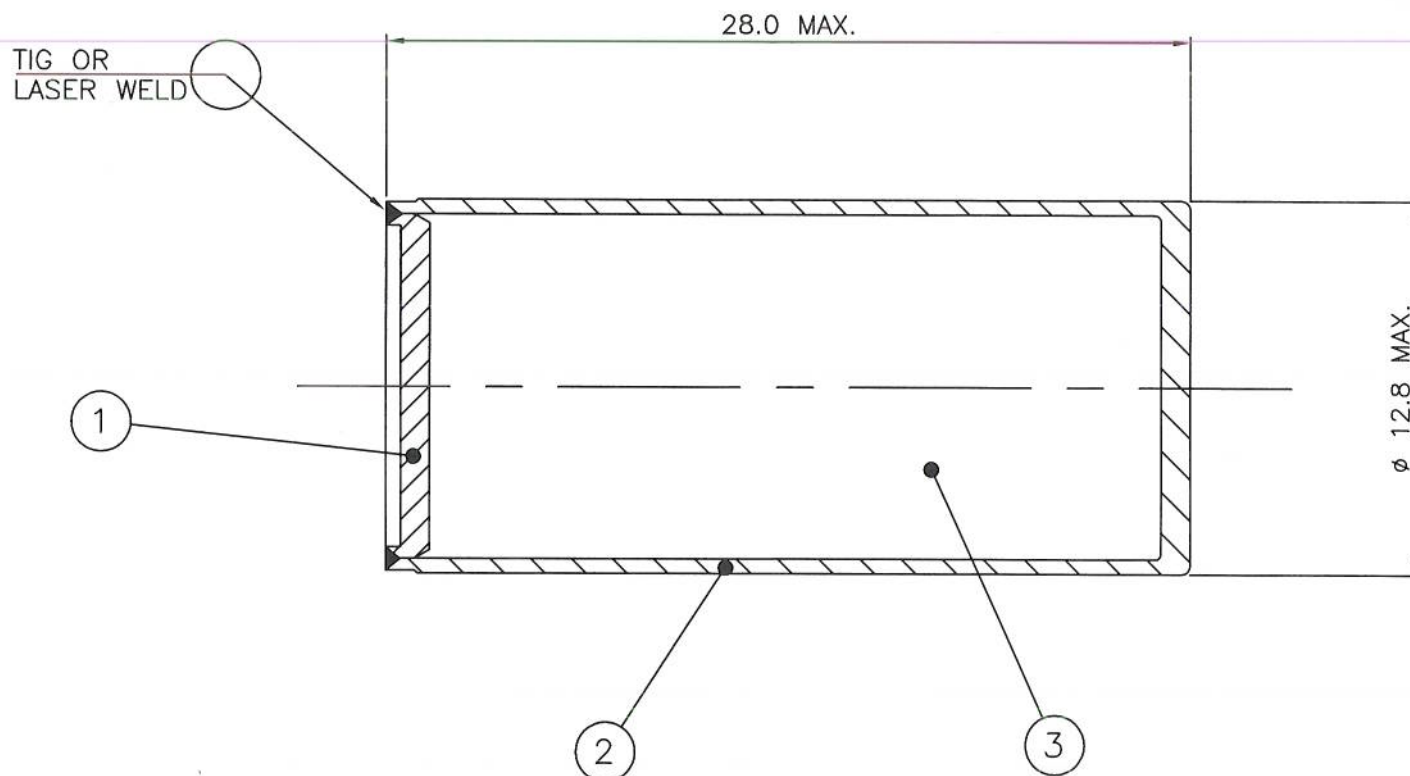
(DATE)

Robert A. Richard

Deputy Associate Administrator for Hazardous Materials Safety

Revision 0 - Original issue.

ITEM	DESCRIPTION	MATERIAL	No. OFF
1	INNER LID	MP35N	1
2	INNER BODY	MP35N	1
3	ACTIVE MATERIAL	—	—



APPROVALS	DATE
<i>Brian Kincaid</i>	31 JUL 08
<i>L. P. Doherty</i>	31 JUL 08



DESCRIPTIVE  
DRAWING

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS IN MILLIMETERS  
TOLERANCES:

X ± 0.25  
X.X ± 0.1  
X.XX ± 0.01  
X.XXX ± 0.005

TITLE X9073 CAPSULE ASSEMBLY

SIZE	DWG. NO.	REV
A	RBA62948	A
SCALE:	NTS	SHEET 1 OF 1

ERF #

1951



U.S. Department  
of Transportation

Pipeline and  
Hazardous Materials  
Safety Administration

East Building, PHH-23  
1200 New Jersey Avenue SE  
Washington, D.C. 20590

**CERTIFICATE NUMBER:** USA/0758/S-96, Revision 0

**ORIGINAL REGISTRANT(S):**

Ms. Lori Podolak  
Product Licensing Specialist  
QSA Global, Inc.  
40 North Avenue  
Burlington, MA 01803

Ms. Cathleen Roughan  
Director, Regulatory Affairs and QA  
QSA Global, Inc.  
40 North Avenue  
Burlington, MA 01803

Mr. Michael Fuller  
Regulatory Compliance Associate  
QSA Global, Inc.  
40 North Avenue  
Burlington, MA 01803